

<b>BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE</b>	<b>Number: LS-SDL-003</b>	<b>Revision: B</b>
	<b>Effective: 10/14/2002</b>	<b>Page 1 of 2</b>
Subject: SDL Operator Training Certification Check List		
Prepared By: (R.N. Heese)	Reviewed By: (P. Singh)	Approved By: (X. Wang)

\*Document must contain approved signatures for validity

## SDL OPERATOR TRAINING CERTIFICATION CHECK LIST

**Completion of the items on this checklist and the signature of an authorized trainer will constitute the record of certification for an individual to be a qualified operator of the SDL.**

Minimum Systems Knowledge requirements for qualified operators:

- 1. Become familiar with linac personnel interlock system - become certified to sweep and secure accelerator vault.
- 2. Learn where the crash buttons are - emergency power shutdown.
- 3. Learn layout and indicated levels of SDL ionizing radiation monitoring system.
- 4. Study and train on the operating system.
- 5. Become familiar with component and indicator layout in the control area.

OJT requirements for operator certification:

- 1. Controlled turn-on and shutdown sequences of linac components
- 2. Operating ranges of linac components and normal operating conditions.
- 3. Sequence of steps for resetting trips.

SDL Operator Duties:

- 1. Search and secure the accelerator vault
- 2. Operate the linac
- 3. Maintain a log of machine status, trips (especially in the later stages of turn-on, when these become less frequent), and special or unusual operating conditions.
- 4. Shut down any part of the facility within their area of control which may present a safety hazard until that hazard has been removed.

SDL Operator Emergency Response:

All the SDL Operators should be familiar with the SDL emergency planning procedure (LS-SDL-0028). The SDL Operator serves as the senior SDL person during an emergency. He/she also assumes the functions of the **Acting Local Emergency Coordinator** whenever building fire alarms sound or other emergency conditions have been identified or are suspected. The Operator shall:

- 1. Shut down accelerator if Building 729 is evacuated or if continued operation of the machine impedes or complicates response to the emergency.
- 2. If evacuation of Building 729 is necessary, go to the indoor or outdoor assembly area (as appropriate), and assure that all building occupants have evacuated. The Operator should identify him/herself as the SDL Acting Local Emergency Coordinator, and provide information and support to BNL Emergency Personnel.
- 3. Contact SDL and NSLS management as soon as practical during any emergency condition and advise of the situation.

\_\_\_\_\_

Trained Operator

\_\_\_\_\_

Date

\_\_\_\_\_

Authorized Trainer

\_\_\_\_\_

Date

[Revision/Review Log](#)